Sources of non-conventional energy

3649. SHRI LEKHRAJ BACHANI:Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what are the non-conventional energy sources in regular use in India and what is the total generation from those sources;

(b) what are other alternate sources of Non-Conventional Energy under research basis; and

(c) whether urban wastages of various kinds are being utilized for non-conventional energy, if not, whether Government will consider this source as one more alternate as it is in use in many countries?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) The non-conventional energy sources in regular use for grid-interactive power are wind, biomass and small hydro. The cumulative installed capacity from these sources is 6160 MW, as on 31.3.2005.

(b) Other alternative sources of non-conventional energy under research are alternate fuels; namely, hydrogen, bio-fuels and synthetic fuels for transport, portable and stationary applications. In addition, work is in progress in solar thermal power and zero emission and hybrid vehicles.

(c) Municipal Solid Waste, whose potential in the country has been estimated at 1700 MW, is one among the identified source of non-conventional energy. The cumulative installed capacity from this source is 17.00 MW, as on 31.3.2005.

Solar and wind energy schemes in A.P.

3650. SHRI GIREESH KUMAR SANGHI: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether any schemes have been implemented in Andhra Pradesh conserving solar and wind energies for the last two years;

(b) if so, the details thereof; and

(c) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) Yes, Sir. The Ministry is implementing Schemes for harnessing wind energy

for grid interactive power and solar energy for off-grid decentralized applications through solar photovoltaic and solar thermal technologies.

(b) Details of the Solar and Wind Energy systems installed in Andhra Pradesh during the last two years *i.e.* 2003-04 & 20-04-05 are given below:

Systems	Units
Solar Home Lighting Systems	280 Nos.
Solar Street Lighting Systems	280 Nos.
Solar Lanterns	1200 Nos.
Solar Pump sets	06 Nos.
Solar Dryers	07 Nos.
Solar Water Heating Systems	0.89 lakh litres per day
Solar Cookers	255 Nos.
Solar Dish Type Cookers	42 Nos.
Solar Steam Cooking System	-1 No. (1000 meals per day capacity)
Establishment of Aditya Solar Shops	16 Nos.
Wind Power Projects	26.3 MW

(c) Does not arise.

No subsidy on installation of Solar connection

3651. SHRIMATI JAYA BACHCHAN: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that Government have not provided any subsidy on installation of solar connections for energy etc., if so, the reasons therefor;

(b) whether it is a fact that this is coming in the way of promotion of non-conventional energy because of the high cost of installation and that of equipment by companies such as Tata-BP Solar; and